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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/648,313	08/27/2003	Makoto Mogamiya	P23749	3666		
	7590 02/06/2008 & REPNSTEIN P.I. C		EXAMINER			
GREENBLUM & BERNSTEIN, P.L.C. 1950 ROLAND CLARKE PLACE			KHAN, U	KHAN, USMAN A		
RESTON, VA	20191		· ART UNIT	PAPER NUMBER		
			2622			
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			NOTIFICATION DATE	DELIVERY MODE		
		•	02/06/2008	ELECTRONIC		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

gbpatent@gbpatent.com pto@gbpatent.com

,			Application No.		Applicant(s)				
Office Action Summary		10/648,313		MOGAMIYA ET AL.					
			Examiner		Art Unit				
		j	Usman Khan		2622				
Period fo	The MAILING DATE of this commun or Reply	ication appe	ars on the cover sh	eet with the c	orrespondence ad	idress			
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).									
Status									
·1)⊠	Responsive to communication(s) file	ed on <i>18 Jan</i>	nuary 2008.						
2a) □	This action is FINAL . 2b)⊠ This action is non-final.								
· -									
,	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.								
Dispositi	on of Claims								
4) 🖂	Claim(s) 1-17 is/are pending in the a	application.	·						
•	4a) Of the above claim(s) is/are withdrawn from consideration.								
5)	Claim(s) is/are allowed.								
6)⊠	Claim(s) <u>1-17</u> is/are rejected.								
7)	Claim(s) is/are objected to.								
8)□	8) Claim(s) are subject to restriction and/or election requirement.								
Applicati	on Papers								
9)	The specification is objected to by the	e Examiner.							
10)⊠ The drawing(s) filed on <u>27 August 2003</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.									
,	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).								
11)	11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority ι	ınder 35 U.S.C. § 119								
12)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a)⊠ All b)□ Some * c)□ None of:									
	1.⊠ Certified copies of the priority documents have been received.								
	2. Certified copies of the priority documents have been received in Application No								
	3. Copies of the certified copies of the priority documents have been received in this National Stage								
	application from the International Bureau (PCT Rule 17.2(a)).								
* 5	* See the attached detailed Office action for a list of the certified copies not received.								
Attachmen	t(s)								
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)									
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date									
	mation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date	•		ice of Informal P er:	atent Application				
1>-	· , ———		, —						

DETAILED ACTION

Response to Arguments

Applicant's arguments filed 01/18/2007, with respect to the claims 1 - 17 have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made. Since this is a new grounds of rejection, which was not done because of an amendment, this action is non-final.

Claim Objection

Claim 2 is objected to because of the following informalities: applicant amended claim 1 lines 5 – 6 from "defined between" to –extending from-- but claim 2 line 2 still reads "defined between". Appropriate correction is required.

Claim 4 is objected to because of the following informalities: applicant amended claim 1 lines 5 – 6 from "defined between" to –extending from-- but claim 4 line 2 still reads "defined between". Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

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(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

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Claims 1 - 7 are rejected under 35 U.S.C. 102(b) as being anticipated by Kabe et al. (US PgPub 2001/0017984).

Regarding **claim 1**, Kabe et al. discloses an electronic still camera comprising: an image pickup element provided in an optically isolated space (figures 2-4 item 18) which is opened and closed by a shutter (figures 2-4 item 16); an image pickup optical system which makes object light incident upon the image pickup element (figures 2-4 sending light from opening near item 55 to the image pickup element 18 via a number of lenses); and a sealing member configured to seal an image pickup light path extending from the shutter to the image pickup element (figures 2-4, lens barrel outer surface i.e. items 22, 24, and other outer components of the lens barrel).

Regarding **claim 2**, Kabe et al. discloses the electronic still camera according to claim 1, wherein said sealing member comprises a tubular member which surrounds a light path space defined between the shutter and the image pickup element (figures 2 – 4, lens barrel outer surface i.e. items 22, 24, and other outer components of the lens barrel).

Regarding **claim 3**, Kabe et al. discloses the electronic still camera according to claim 2, wherein said tubular member is configured to be extendable and contractible in an optical axis direction of the image pickup optical system (figures 2 – 4, lens barrel contracts and expands); and wherein an optical element is fitted in an opening of said

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tubular member on an object side to seal the tubular member (figures 2-4, item 52 and other optical elements such as figures 2-4 items 46, 48, and 50).

Regarding claim 4. Kabe et al. discloses the electronic still camera according to claim 1, wherein said sealing member comprises a tubular member which surrounds a light path space defined between the shutter and an image pickup surface of the image pickup element (figures 2 - 4, lens barrel outer surface i.e. items 22, 24, and other outer components of the lens barrel), wherein said tubular member is extendable and contractible in an optical axis direction of the image pickup optical system (figures 2 – 4, lens barrel contracts and expands), said tubular member being closely connected (figures 2 - 4, lens barrel outer surface i.e. items 22, 24, and other outer components of the lens barrel), at the end thereof which defines an opening end on the object side (figures 2 – 4 sending light from opening near item 55 to the image pickup element 18 via a number of lenses), to a frame member (figures 2 – 4, lens barrel outer surface i.e. items 22, 24, and other outer components of the lens barrel), which restricts an aperture which is opened and closed by the shutter (figures 2 - 4 item 16), and an optical element which seals the frame member (figures 2 - 4, item 52 and other optical elements such as figures 2 – 4 items 46, 48, and 50).

Regarding claim 5, Kabe et al. discloses the electronic still camera according to claim 3, wherein said tubular member is in close contact, at an end surface thereof defining the opening on the object side, with the frame member which restricts the

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aperture opened and closed by the shutter (figures 2 – 4 barrel outer surface i.e. items 22, 24, and other outer components of the lens barrel along with sending light from opening near item 55 to the image pickup element 18 via a number of lenses).

Regarding **claim 6**, Kabe et al. discloses the electronic still camera according to claim 3, wherein said optical element is secured to the frame member (figures 2 – 4, barrel outer surface i.e. items 22, 24, and other outer components of the lens barrel along with item 52 and other optical elements such as figures 2 – 4 items 46, 48, and 50).

Regarding claim 7, Kabe et al. discloses the electronic still camera according to claim 3, wherein said optical member is a transparent plane-parallel plate (figures 2-4, item 52 and other optical elements such as figures 2-4 items 46, 48, and 50).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 8 - 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kabe et al. (US PgPub 2001/0017984) in further view of Oguma (US patent No. 6,225,244).

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Regarding **claim 8**, as mentioned above in the discussion of claim 3, Kabe et al. teaches all of the limitations of the parent claim. However, Kabe et al. fails to disclose that the said optical element comprises at least one of a low-pass filter and an infrared absorption filter. Oguma, on the other hand discloses that the said optical element comprises at least one of a low-pass filter and an infrared absorption filter.

More specifically, Oguma discloses that said optical element comprises a lowpass filter and an infrared absorption filter (figure 1 items 2, 2', and 3).

Therefore, one of ordinary skill in the art at the time the invention was made would have found it obvious to incorporate the teachings of Oguma with the teachings of Kabe et al. because in column 2 lines 15 - 27 Oguma discloses that the use a low-pass filter and an infrared absorption filter will provide the following advantage: providing a glass for a near infrared absorption filter, which is durable in use for a long period of time, has high climate resistance and a high transmittance to light in ultraviolet to visible light regions and has excellent alkali resistance. This will improve functionality of the camera of Kabe et al.

Regarding **claim 9**, Kabe et al. discloses an electronic still camera comprising: an image pickup element provided in an optically isolated space (figures 2 – 4 item 18) which is opened and closed by a shutter (figures 2 – 4 item 16); an image pickup optical system configured to make object light incident upon the image pickup element (figures 2 – 4 sending light from opening near item 55 to the image pickup element 18 via a number of lenses); and a frame member configured to restrict an aperture which is

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opened and closed by the shutter (figures 2 - 4, lens barrel outer surface i.e. items 22, 24, and other outer components of the lens barrel),

However, Kabe et al. fails to disclose that the said frame member being provided with at least one of a low-pass filter and an infrared absorption filter secured thereto.

Oguma, on the other hand discloses that the said frame member being provided with a low-pass filter and an infrared absorption filter secured thereto.

More specifically, Oguma discloses that said frame member being provided with a low-pass filter and an infrared absorption filter (figure 1 items 2, 2', and 3).

Therefore, one of ordinary skill in the art at the time the invention was made would have found it obvious to incorporate the teachings of Oguma with the teachings of Kabe et al. because in column 2 lines 15 - 27 Oguma discloses that the use a low-pass filter and an infrared absorption filter will provide the following advantage: providing a glass for a near infrared absorption filter, which is durable in use for a long period of time, has high climate resistance and a high transmittance to light in ultraviolet to visible light regions and has excellent alkali resistance. This will improve functionality of the camera of Kabe et al.

Regarding **claim 10**, as mentioned above in the discussion of claim 9, Kabe et al. in further view of Kabe et al. teaches all of the limitations of the parent claim. Additionally, Oguma teaches that said low-pass filter and the infrared absorption filter are cemented to each other (figure 1 items 2, 2', and 3).

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Regarding claim 11, as mentioned above in the discussion of claim 9, Kabe et al.

in further view of Kabe et al. teaches all of the limitations of the parent claim.

Additionally, Oguma teaches that said low-pass filter is closely secured to the frame

member which is located closer to the image pickup element than the shutter (figure 1

items 2' and 3).

Regarding claim 12, as mentioned above in the discussion of claim 9, Kabe et al.

in further view of Kabe et al. teaches all of the limitations of the parent claim.

Additionally, Oguma teaches that the said infrared absorption filter is secured to the

frame member, the frame member located closer to the image pickup element than the

shutter (figure 1 items 2 and 3).

Regarding claim 13, as mentioned above in the discussion of claim 9, Kabe et al.

in further view of Kabe et al. teaches all of the limitations of the parent claim.

Additionally, Oguma teaches that one of said low-pass filter and said infrared absorption

filter is secured to the frame member, is the frame member located closer to an object

than the shutter (figure 1 items 2 or 3 is closer then 2').

Regarding claim 14, as mentioned above in the discussion of claim 9, Kabe et al.

in further view of Kabe et al. teaches all of the limitations of the parent claim.

Additionally, Oguma teaches that said infrared absorption filter is secured to the frame

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member, is the frame member located closer to an object than the shutter (figure 1 item 3 is closer then 2').

Regarding claim 15, as mentioned above in the discussion of claim 1, Kabe et al. teaches all of the limitations of the parent claim. However, Kabe et al. fails to disclose an optical filter fitted in an opening at an object side of said sealing member. Oguma, on the other hand discloses an optical filter fitted in an opening at an object side of a sealing member.

More specifically, Oguma discloses an optical filter fitted in an opening at an object side of a sealing member (figure 1 items 2 is on object side when compared to items 2' and 3).

Therefore, one of ordinary skill in the art at the time the invention was made would have found it obvious to incorporate the teachings of Oguma with the teachings of Kabe et al. because in column 2 lines 15 - 27 Oguma discloses that the use a low-pass filter and an infrared absorption filter will provide the following advantage: providing a glass for a near infrared absorption filter, which is durable in use for a long period of time, has high climate resistance and a high transmittance to light in ultraviolet to visible light regions and has excellent alkali resistance. This will improve functionality of the camera of Kabe et al.

Regarding claim 16, as mentioned above in the discussion of claim 9, Kabe et al. in further view of Kabe et al. teaches all of the limitations of the parent claim.

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Additionally, Kabe et al. teaches that said frame member is provided at an object side of

the optically isolated space (figures 3 – 4 item items 62 and 66).

Regarding claim 17, as mentioned above in the discussion of claim 9, Kabe et al.

in further view of Kabe et al. teaches all of the limitations of the parent claim.

Additionally, Kabe et al. teaches that said frame member supports the shutter (figures 3

- 4 item 16).

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Usman Khan whose telephone number is (571) 270-

1131. The examiner can normally be reached on Mon-Thru 6:45-4:15; Fri 6:45-3:15 or

Alt. Fri off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, David Ometz can be reached on (571) 272-7593. The fax phone number for

the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Usman Khan 01/30/2008

Patent Examiner

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DAVID OMETZ'

SUPERVISORY PATENT EXAMINER